Activity 3

```
PS C:\Users\Larry> docker ps
CONTAINER ID IMAGE COMMAND
7e83564854d0 ubuntu:16.04 "/bin/bash"
                                             CREATED
                                                              STATUS
                                                                                           PORTS
                                                                                                      NAMES
                                             43 minutes ago
                                                              Exited (0) 34 minutes ago
                                                                                                     hopeful_raman
PS C:\Users\Larry> docker rm 7e8
7e8
PS C:\Users\Larry> docker ps -a
CONTAINER ID IMAGE COMMAND
                                                                  NAMES
                                  CREATED STATUS
                                                        PORTS
PS C:\Users\Larry> docker images
REPOSITORY
              TAG
                        IMAGE ID
                                          CREATED
                          aecc1a51445b 24 minutes a
9ff95a467e45 3 weeks ago
                                         24 minutes ago
lsgarriz/ping latest
                                                           170MB
ubuntu
                16.04
                                                           135MB
PS C:\Users\Larry> docker rmi aecc
Untagged: lsgarriz/ping:latest
Deleted: sha256:aecc1a51445b073bc64add1588372f4d1fe9989c310ec286c0653fe5bd78df52
Deleted: sha256:9c447b229597ad87180e5e3f999933c23a0cecd532d70290aefa8fcddd525d43
PS C:\Users\Larry> docker images
REPOSITORY TAG
                       IMAGE ID
                                       CREATED
ubuntu
            16.04
                       9ff95a467e45 3 weeks ago
                                                     135MB
```

Deletion of exercise 2 files

Creation of initial Dockerfile

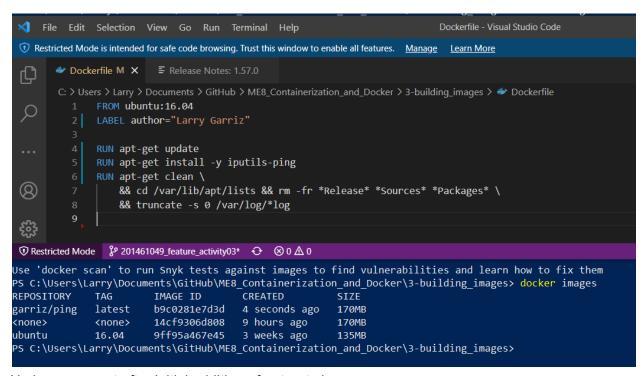
```
Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them
PS C:\Users\Larry\Documents\Github\ME8_Containerization_and_Docker\3-building_images> docker build -t 'garriz/ping' .

Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them
PS C:\Users\Larry\Documents\Github\ME8_Containerization_and_Docker\3-building_images> docker build -t 'garriz/ping' .

[+] Building 0.1s (7/7) FINISHED

Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them
PS C:\Users\Larry\Documents\Github\ME8_Containerization and Docker\3-building_images> docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
garriz/ping latest 1d-f9306d089 9 hours ago 170ME
ubuntu 16.04 9ff952afc7e4S 3 weeks ago 135ME
public in the standard of the standard
```

(Highlighted for readability) Building the Dockerfile. On PowerShell, the output appears to be less verbose than as described in the README. Additionally, running the command again gives an identical output with no indication of the described caching behavior.



No improvement after initial addition of apt-get clean

```
🗙 File Edit Selection View Go Run Terminal Help
                                                                                            Dockerfile - Visual Studio Code

    ◆ Dockerfile M X

                                                   ■ Docker - Get Started

■ Extension: Docker

■ Release Notes: 1.57.0
                                C: > Users > Larry > Documents > GitHub > ME8_Containerization_and_Docker > 3-building_images > 	াdelta Dockerfile >
         @id:ms-azuretools.vsco
                                        FROM ubuntu:16.04
                                       LABEL author="Larry Garriz"
         Docker 1.13.0
        Makes it easy to create...
 昭
                                        RUN apt-get update \
         Microsoft ✓ Installed €3
                                            && apt-get install -y iputils-ping \
                                            && apt-get clean \
                                            && cd /var/lib/apt/lists && rm -fr *Release* *Sources* *Packages* \
                                            && truncate -s 0 /var/log/*log
 (2)
 £73
  \cline{D} 201461049_feature_activity03* \cline{O} \cline{O} 0 \cline{D} 0
Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them
PS C:\Users\Larry\Documents\GitHub\ME8_Containerization_and_Docker\3-building_images> <mark>docker</mark> images
REPOSITORY
               TAG
                          TMAGE TD
                                           CREATED
garriz/ping
               latest
                          977b103cb116
                                           5 seconds ago
                                                              139MB
<none>
               <none>
                          b9c0281e7d3d
                                           3 minutes ago
                                                              170MB
                           14cf9306d808
<none>
               <none>
                                           9 hours ago
                                                              170MB
                                                              135MB
               16.04
                          9ff95a467e45
                                           3 weeks ago
ubuntu
PS C:\Users\Larry\Documents\GitHub\ME8_Containerization_and_Docker\3-building_images>
```

Reduced file size after collapsing the RUN command

```
Windows PowerShell

PS C:\Users\Larry\Documents\GitHub\ME8_Containerization_and_Docker\3-building_images> docker run -it garriz/ping

PING google.com (216.58.220.206) 56(84) bytes of data.

64 bytes from 216.58.220.206: icmp_seq=1 ttl=37 time=50.2 ms

64 bytes from 216.58.220.206: icmp_seq=2 ttl=37 time=41.7 ms

64 bytes from 216.58.220.206: icmp_seq=3 ttl=37 time=45.4 ms

64 bytes from 216.58.220.206: icmp_seq=4 ttl=37 time=42.0 ms

64 bytes from 216.58.220.206: icmp_seq=5 ttl=37 time=40.8 ms

64 bytes from 216.58.220.206: icmp_seq=6 ttl=37 time=40.1 ms

^C

--- google.com ping statistics ---

6 packets transmitted, 6 received, 0% packet loss, time 5007ms

rtt min/avg/max/mdev = 40.126/43.405/50.285/3.501 ms

PS C:\Users\Larry\Documents\GitHub\ME8_Containerization_and_Docker\3-building_images>
```

Successful use of ENV and CMD directives